

13. Bibliography

Optics

E. Hecht, *Optics*, 2nd edition, Addison-Wesley Publishing Company, 1987.

F. L. Pedrotti and L. S. Pedrotti, *Introduction to Optics*, 2nd edition, Prentice Hall, Englewood Cliffs, NJ, 1993.

F. A. Jenkins and H. E. White, *Fundamentals of Optics*, 4th edition, McGraw-Hill, New York, NY, 1976.

M. Born and E. Wolf, *Principles of Optics*, 6th (corrected) edition, Pergamon Press, Oxford, England, 1993.

Applied Optics and Optical Engineering, Vol. V, Optical Instruments, R. Kingslake, editor, Academic Press, San Diego, CA, 1969.

D. C. O'Shea, *Elements of Modern Optical Design*, Wiley, New York, NY, 1985.

W. J. Smith, *Modern Optical Engineering*, 2nd edition, McGraw-Hill, , New York, NY, 1990.

Military Handbook 141, Optical Design, U. S. Department of Defense, Washington, D. C., 1962.

Handbook of Optics, Vol. I and II, 2nd edition, M. Bass, editor-in-chief, McGraw-Hill, New York, NY, 1995.

The Optics Problem Solver, Research and Education Association, Piscataway, NJ, 1990 revision.

E. Hecht, *Schaum's Outline of Theory and Problems of Optics*, McGraw-Hill, New York, NY, 1975.

Detectors and Amplifiers

Determination of the Spectral Responsivity of Optical Radiation Detectors, CIE Publication 64 (Commission Internationale de l'Eclairage, Paris, 1984). Currently available through the U.S. National Committee of the CIE, c/o T. M. Lemons, TLA-Lighting Consultants, Inc., 72 Loring Ave., Salem, MA 01970.

E. L. Dereniak and D. G. Crowe, *Optical Radiation Detectors*, Wiley, New York, NY, 1984.

E. L. Dereniak and G. D. Boreman, *Infrared Detectors and Systems*, Wiley, New York, NY, 1996.

G. H. Rieke, *Detection of Light: from the Ultraviolet to the Submillimeter*, Cambridge University Press, New York, NY, 1994.

J. D. Vincent, *Fundamentals of Infrared Detector Operation and Testing*, Wiley, New York, NY, 1990.

T. M. Frederiksen, *Intuitive Operational Amplifiers*, McGraw-Hill, New York, NY, 1988.

J. G. Graeme, *Photodiode Amplifiers: Op Amp Solutions*, McGraw-Hill, New York, NY, 1996.

D. L. Terrell, *Op Amps: Design, Application, and Troubleshooting*, Butterworth-Heinemann, Newton, MA, 1996.

P. Horowitz and W. Hill, *The Art of Electronics*, 2nd edition, Cambridge University Press, New York, NY, 1989.

S. M. Sze, *Physics of Semiconductor Devices*, 2nd edition, Wiley, New York, NY, 1981.

S. M. Sze, *Semiconductor Devices, Physics and Technology*, Wiley, New York, NY, 1985.

Radiometry

Optical Radiation Measurements, F. Grum and C. J. Bartleson, editors, Vol. 1: *Radiometry*, F. Grum and R. J. Becherer; Vol. 4: *Physical Detectors of Optical Radiation*, W. Budde. Academic Press, San Diego, CA, Vol. 1: Vol. 4: 1983.

Absolute Radiometry: Electrically Calibrated Thermal Detectors of Optical Radiation, F. Hengstberger, editor, Academic Press, San Diego, CA, 1989.

C. L. Wyatt, *Radiometric Calibration: Theory and Methods*, Academic Press, San Diego, CA, 1978.

C. L. Wyatt, *Electro-Optical System Design: For Information Processing*, McGraw-Hill, New York, NY, 1991. Expanded and revised version of the author's *Radiometric System Design*.

W. R. McCluney, *Introduction to Radiometry and Photometry*, Artech House, Norwood, MA, 1994.

R. W. Boyd, *Radiometry and the Detection of Radiation*, Wiley, New York, NY, 1983.

R. H. Kingston, *Optical Sources, Detectors, and Systems: Fundamentals and Applications*, Academic Press, San Diego, CA, 1995.

R. H. Kingston, *Detection of Optical and Infrared Radiation*, Springer-Verlag, New York, NY, 1978.

New Developments and Applications in Optical Radiometry III, *Metrologia* **28**, (1991).

New Developments and Applications in Optical Radiometry IV, *Metrologia* **30**, (1993).

New Developments and Applications in Optical Radiometry V, *Metrologia* **32**, (1996).

Statistics/Error Analysis/Uncertainties

P. R. Bevington, *Data Reduction and Error Analysis for the Physical Sciences*, McGraw-Hill, New York, NY, 1969.

J. R. Taylor, *An Introduction to Error Analysis: The Study of Uncertainties in Physical Measurements*, University Science Books, Sausalito, CA, 1982.

ANSI/NCSL Z540-2-1997, U.S. Guide to the Expression of Uncertainty in Measurement. Currently available through the National Conference of Standard Laboratories (NCSL) Secretariat, 1800 30th Street, Suite 305B, Boulder, CO 80301.

B. N. Taylor and C. E. Kuyatt, Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Results, Natl. Inst. Stand. Technol. (US), Tech. Note 1297 (1994 ed.).

W. Mendenhall and T. Sincich, *Statistics for Engineering and the Sciences*, 3rd edition, Dellen Publishing Company, San Francisco, CA, 1992.

NBS Handbook 91, Experimental Statistics, Natl. Bur. Stand. (U.S.), NBS HDBK 91, 1963.

Precision Measurement and Calibration, Harry Ku, editor, Natl. Bur. Stand. (U.S.), Spec. Publ. 300, Vol. 1, 1969.

Quality and Laboratory Accreditation

NIST Handbook 150, National Voluntary Laboratory Accreditation Program Procedures and General Requirements, James L. Cigler and Vanda R. White, Editors, 1994.

NIST Handbook 150-2, NVLAP Calibration Laboratories Technical Guide, 1994.

ANSI/NCSL Z540-1-1994, Calibration Laboratories and Measuring and Test Equipment - General Requirements. Currently available through the National Conference of Standard Laboratories (NCSL) Secretariat, 1800 30th Street, Suite 305B, Boulder, CO 80301.

International Organization for Standardization (ISO) / International Electrotechnical Commission (IEC), General Requirements for the Competence of Calibration and Testing Laboratories Guide 25 (1990). Currently available through the American National Standards Institute (ANSI), 11 West 42nd Street, 13th Floor, New York, NY 10036.